

Carry out yarn length calculations for warp knitting

Level 2

Credits 4

Purpose This unit standard is for warpers and other personnel in a warp-knitting company.

People credited with this unit standard are able to calculate the lengths of yarns on yarn packages; and calculate the lengths of warps.

Subfield Industrial Machine Knitting

Domain Warp Preparation - Warp Knitting

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0030

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 This unit standard applies to the calculations associated with warp-preparation.
- 2 Assessment against this unit standard could be combined with assessment against Unit 4715, *Operate warping machinery for warp knitting*.
- 3 Technical aspects that are required to be covered in demonstrating competence in this unit standard include:
 - a Calculations of the lengths of yarns on packages related to the weight of the yarn on the packages and its count;
 - b Calculations of warp lengths.

4 Definitions

Technical specifications refer to material such as set-out diagrams or product specifications from either manufacturers or the workplace. This material may be in hard copy or supplied in electronic form.

Workplace procedures refer to the verbal or documented procedures for performing activities including health and safety, operational, environmental and quality management requirements. They refer to manuals, manufacturers' specifications, codes of practice, or policy statements.

Elements and performance criteria

Element 1

Calculate the lengths of yarns on yarn packages.

Performance criteria

- 1.1 The length of yarn on a package is calculated from the weight of the yarn on the package and the specified yarn count in accordance with workplace procedures.

Range direct count and/or indirect count.

Element 2

Calculate the lengths of warps.

Performance criteria

- 2.1 The required number of ends in a warp is determined from the technical specifications.
- 2.2 The number of packages of the yarn available for warping, and the length of yarn on each package, are determined in accordance with workplace procedures.
- 2.3 The length of yarn to be warped is calculated in accordance with workplace procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz info@competenz.org.nz if you wish to suggest changes to the content of this unit standard.